Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of claims:

1-26. (Canceled)

27. (currently amended) A method of supporting an incoming/outgoing mobile communication session in a combined communications network comprising a mobile network and a non-mobile access network; in said mobile network, said mobile communication session is associated with a mobile number, the method comprises:

~~associating, in the non-mobile access network, said mobile number with a non-mobile device of said non-mobile network, wherein said non mobile device being either a DECT-like device, or a fixed device,~~

providing, at an access node between the non-mobile access network and the mobile network, an access device comprising a Digital Service Line Access Multiplexer (DSLAM) or an Optical Line Termination (OLT), the access device being in communication with a plurality of non-mobile devices in the non-mobile access network; ~~and~~

establishing direct connection and direct signaling and communications exchange between the access device and ~~with~~ a controller of ~~a~~ the mobile network and ~~, so that the access device is recognized by the controller of the mobile network as another base station;~~ providing the access device ~~having~~ with a capability to perform functions of a base station with respect to at least one said mobile number of said mobile network, so that the access device is recognized by the controller of the mobile network as a base station;

by assignment in the access device, associating said mobile number with a non-mobile device of said non-mobile network, wherein said non-mobile device being either a DECT-like device, or a fixed device, so that the access device becomes

~~and being~~ operative to represent said non-mobile device of said plurality of non-mobile devices as having said mobile number;

routing said mobile communication session, by said controller of the mobile network, via said access device as via the base station;

selectively conducting said mobile communication session ~~via said access device~~ either through a mobile device associated with said mobile number in the mobile network, or through the non-mobile device associated with said mobile number in the non-mobile network.

28. (Canceled)

29. (Previously presented) The method according to Claim 27, further comprising setting defaults at said access device, for routing of communication sessions.

30. (Previously presented) The method according to Claim 27, further comprising providing the controller of the mobile network with a capability of giving preference to said access device for routing there-through the mobile communication session to said non-mobile device.

31. (Original) The method according to Claim 27, comprising storing the mobile number in the access device with indicating

association of said mobile number with the non-mobile device of said non-mobile network.

32. (Original) The method according to Claim 27, wherein said mobile telephone number is a single number to both said mobile device and said non-mobile device.

33. (Previously presented) The method according to Claim 27, wherein the mobile device has the mobile number and the non-mobile device has a non-mobile number assigned in the access device, wherein said access device associates the mobile number and the non-mobile number with one another.

34.(Original) The method according to Claim 27, comprising a step of transferring said communication session in progress from the non-mobile device to the mobile device, and vice versa.

35. (Currently amended) A method of supporting a mobile communication session in a combined network comprising a mobile network, a non-mobile access network and an access device placed there-between and comprising a Digital Service Line Access Multiplexer (DSLAM) or an Optical Line Termination (OLT), wherein the access device performing direct signaling and communications exchange with a controller of the mobile network and ~~being capable of~~ performing functions of a base station of the mobile network,
the method comprising
routing said mobile communication session via the access device as via the base station,
selectively conducting said mobile communication session either through a mobile device of the mobile network, or

through a non-mobile device of the non-mobile network, with a possibility of

re-routing, during said mobile communication session, from the mobile device ~~associated with the mobile network~~ to ~~a~~ the non-mobile device ~~associated with the non-mobile network,~~ or vice versa, wherein said mobile device and said non-mobile device are two separate devices.

36. (Original) The method according to Claim 35, wherein the step of rerouting is preceded by obtaining a suggestion to reroute the communication session.

37. (Currently amended) A method of supporting a mobile communication session in a combined communications network comprising a mobile network, ~~and~~ a non-mobile access network~~;~~ ~~in said mobile network, said mobile communication session is associated with a mobile number, the method comprises:~~

~~associating, in the non-mobile access network, said mobile number with a non-mobile device of said non-mobile network,~~

~~providing, at an access node between the non-mobile network and a mobile network, an access device being in communication with a plurality of non-mobile devices and with a controller of a said mobile network, the access device comprising a Digital Service Line Access Multiplexer (DSLAM) or an Optical Line Termination (OLT), being capable of performing functions of a base station of the mobile network and being operative to represent said non-mobile device of said plurality of non-mobile devices as having said mobile number;~~

~~selectively conducting said mobile communication session either through a mobile device associated with said mobile number in the mobile network, or through the non-mobile device associated with said mobile number in the non-mobile network, wherein said mobile device and said non-mobile device are two separate devices.~~

and an access device placed there-between and comprising a Digital Service Line Access Multiplexer (DSLAM) or an Optical Line Termination (OLT),

the method comprises:

providing the access device with a capability to perform functions of a base station with respect to at least some mobile numbers of said mobile network,

providing the access device with a capability to represent at least some non-mobile devices of the non-mobile network as respectively having said at least some mobile numbers,

establishing direct signaling and communications exchange between the access device and a controller of the mobile network,

routing said mobile communications session via the access device as via the base station, wherein said session is associated with one of said at least some mobile numbers;

selectively conducting said mobile communications session either through a mobile device associated with said one mobile number in the mobile network, or through a non-mobile device of the non-mobile access network, being represented by the access device as having said one mobile number.

38. (Previously presented)The method according to Claim 36, wherein the suggestion of rerouting is applied from the mobile device or the non-mobile device presently not engaged with the communication session.

39. (Previously presented) The method according to Claim 36, wherein the step of obtaining the suggestion of rerouting is performed non-automatically and initiated by a user from the mobile device or the non-mobile device.

40. (Previously presented) The method according to Claim 35, wherein the step of rerouting is preceded by determining proximity of the mobile device to the non-mobile device.

41. (Currently amended) An access device for serving a non-mobile access network comprising DECT- and/or ~~a~~ fixed non-mobile devices, ~~for serving~~ wherein said non-mobile network being part of a combined communications network ~~comprising said non-mobile network and~~ also comprising a mobile network,

wherein the access device comprising a Digital Service Line Access Multiplexer (DSLAM) or an Optical Line Termination (OLT) adapted to maintain direct signaling and communications exchange with a controller of the mobile network;

the access device being adapted to communicate with a plurality of the non-mobile devices of the non-mobile network and with said ~~a~~ controller of said ~~a~~ mobile network, and to represent ~~at least one~~ a non-mobile device of said plurality of non-mobile devices as having a mobile number of the mobile network;

~~and wherein~~ the access device ~~is~~ being recognizable by the controller of the mobile network as another base station of the mobile network and is capable of performing, at least partially, functions of a base station of the mobile network for at least said mobile number of said mobile network ~~by providing an option to conduct a mobile communications~~

~~session, associated in said mobile network with said mobile number, through said non-mobile device~~

by allowing routing, via said access device, of a mobile communication session associated in said mobile network with said mobile number;

and by selectively conducting said mobile communication session either through a mobile device associated with said mobile number, or through the non-mobile device of the non-mobile network, presented by the access device as having said mobile number.

42. (Previously presented) The access device according to Claim 41, wherein the mobile number belonging to said mobile network is stored in said access device as a number that is associated with a non-mobile device connected to said non-mobile network, and wherein said non-mobile device is also associated with a non-mobile number.

43. (Previously presented) The access device according to claim 42, allowing said mobile communication session, being initially conducted through either said non-mobile device or a mobile device associated with said mobile number, to be continued by using the other of said mobile device or said non-mobile device, according to selection of a user.

44. (Previously presented) The access device according to claim 41,

being connectable with said non-mobile access network and with ~~a~~ the controller of said mobile network to enable digital communication,

being capable of converting communication protocols from at least one protocol used in said mobile network to at least one protocol used in said non-mobile network, and vice versa,

being provided with a functional unit performing functions similar to that of a base station of said mobile network, including:

enabling storing at the access device at least one said mobile number assigned to a mobile device, in association with at least one said non-mobile device,

monitoring and processing signaling sessions and communications sessions associated with said mobile telephone number.

45. (Previously presented) The access device according to Claim 41, capable of indirectly determining proximity, to said non-mobile device, of a mobile device associated with said mobile telephone number in the mobile network.

46. (Previously presented) A system operative to support a communication session in a combined communications network, the system comprising

at least one access device according to Claim 41,

at least one non-mobile network connected to said access device and comprising at least one non-mobile device, and

at least one mobile communications network associated with at least one mobile device and having a controller of the mobile network directly connected to said access device and operative to establish digital communication with said access device.

47. (Previously presented) The access device according to claim 41, allowing said mobile communication session to be

conducted via either said non-mobile device or a mobile device associated with said mobile number, according to selection of a user.

48. (New) An access device of a non-mobile access network for serving in a combined communication network comprising the non-mobile access network and a mobile network, the access device:

- comprising a DSLAM or an OLT adapted to maintain direct signaling and communications exchange with a controller of the mobile network;
- being capable of performing, at least partially, functions of a base station of the mobile network;
- being recognizable by said controller as a base station of the mobile network;
- being adapted to routing there-through a mobile communication session and to selectively conducting said mobile communication session either through a mobile device of the mobile network, or through a non-mobile device of the non-mobile network.

49. (New) The access device according to Claim 48, being adapted to:

- perform functions of a base station with respect to at least some mobile numbers of said mobile network,
- represent at least some non-mobile devices of the non-mobile network as respectively having said at least some mobile numbers, and
- selectively conduct said mobile communications session associated with one of said at least some mobile numbers either through the mobile device associated with said one

mobile number in the mobile network, or through the non-mobile device of the non-mobile access network, being represented by the access device as having said one mobile number.